

# Figure 1

	10	20	30	40	50	60	
1	D-----NKTFSVCSRD---FTPPTVKILOSSCDGGGHPPTIQLLCLVSGYTPGTINITW						Human IgE C2C3C4
1	DLTIRAR-----PVNITKPTVDLLHSSCDPNA-FHSTIQLYCFVYGHIONDVSIIHW						Rat IgE C2-C3-C4
1	EFHHHHHHTLSLPESGPVTIIPPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVVTW						His6-Op2-3-4
	70	80	90	100	110	120	
53	LEDGQVMD--VDLSTASTTQEGELASTQSELTLSQKHWLSDRTYTCQVTYQGHTFEDSTK						Human IgE C2C3C4
51	LMDDRKIYETHAQNVLIK-EEGKLASTYSRLNITQQQWMSESTFTCKVTSQGENYWAHTR						Rat IgE C2-C3-C4
61	LVDGQEAENLFPYTTRPKREGGQTFSLQSEVNITQQQWMSSNTYTCHVKHNGSIFEDSAQ						His6-Op2-3-4
	130	140	150	160	170	180	
111	KCADSNPRGVSAAYLSRPSFFDLFIRKSPTITCLVVDLAPSKGTVNLTWSRASGKPVNHST						Human IgE C2C3C4
110	RCSDDPRGVITYLIPPSPLDLYENGTPKLTCLVLDLES-EENITVTWVRERKKSIGSAS						Rat IgE C2-C3-C4
121	KCSDDTDPRGISAYILPPTPDQLFVKKVPTIGCLIVDLASAEN-VKVTWSRESGGPVNPSS						His6-Op2-3-4
	190	200	210	220	230	240	
171	RKEEKQRNGTLTVTSTLPVGTTRDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAAPEVY						Human IgE C2C3C4
169	QRSTKHHNATTSITSILPVDADWIEGEGYQCRVDHPHFPPKPIVRSITKAPGKRSAPEVY						Rat IgE C2-C3-C4
180	LVVKEQYNGTFTVTSHLPVNTDDWIEGDTYTCRLESPDMVPVPLIRTISKAPGKRLAPEVY						His6-Op2-3-4
	250	260	270	280	290	300	
231	AFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDAHSTTQPRKTKGSG--FF						Human IgE C2C3C4
229	VFLPPE-EEEEKDKRTLTLCLIQNFFPEDISVQWLQDSKLIPKSOHSTTTPLKYNGSNQRRFF						Rat IgE C2-C3-C4
240	MLP-PSPEETGTTTRVTCLIRGFYFSEISVQWLFNNEEDHTGHHTTTRPQKDHTDPSFF						His6-Op2-3-4
	310	320	330	340	350		
289	VFSRLEVTRAWEQKDEFICRAVHEAASPSQTVQRAVSVNPGK					Human IgE C2C3C4	
288	IFSRLEVTKALWTQTKQFTCRVIHEALREPRKLERTISKSLGNTSLRPSQASM					Rat IgE C2-C3-C4	
299	LYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGN					His6-Op2-3-4	

# Figure 2a

1	EFHHHHHHTLSLPESGPVTIIPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTK	His6-Op2-RatC3-OpC4
1	EFHHHHHHTLSLPESGPVTIIPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTK	His6-Op2-ratOp3-Op4
1	EFHHHHHHTLSLPESGPVTIIPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTK	His6-Op2-Mouse3-Op4
1	EFHHHHHHTLSLPESGPVTIIPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVTK	His6-Op2-3-4
1	EFHHHHHHTEVYSDISK-DPIPTVFLHSSCDPRGDSQASTELLCLITVYSPAGIQD	His6-Platypus C2-C3-C4
61	LVDGQEAENLFPYTTRPKREGGQTFSLQSEVNITQGGWSSNTYTCHVKH--HGSIFEDS	His6-Op2-RatC3-OpC4
61	LVDGQEAENLFPYTTRPKREGGQTFSLQSEVNITQGGWSSNTYTCHVKH--HGSIFEDS	His6-Op2-ratOp3-Op4
61	LVDGQEAENLFPYTTRPKREGGQTFSLQSEVNITQGGWSSNTYTCHVKH--HGSIFEDS	His6-Op2-Mouse3-Op4
61	LVDGQEAENLFPYTTRPKREGGQTFSLQSEVNITQGGWSSNTYTCHVKH--HGSIFEDS	His6-Op2-3-4
60	LVDGQKAEHLFPYTAPPRREGNRSFESHGEVNITADADLGKTFQTTHLADKKTYQPC	His6-Platypus C2-C3-C4
119	SRRCSDDEPRGVITYLIPPSPLDLYENGTPKLTCLVLDLESEEHITVTWVPERKKKSIGSA	His6-Op2-RatC3-OpC4
119	SRRCSDDEPRGVITYLIPPSPLDLYENGTPKLTCLVLDLESEEHITVTWVPERKKKSIGSA	His6-Op2-ratOp3-Op4
119	SRRCSDDEPRGVITYLIPPSPLDLYENGTPKLTCLVLDLESEEHITVTWVPERKKKSIGSA	His6-Op2-Mouse3-Op4
119	AQKCSDDTPRGISAAILPPTFQDLFVKKVPTIGCLIVDLASAEHKKVTSRESGGP--NP	His6-Op2-3-4
120	APKCADSDPRGITVFIITPPTFQDLFVKKVPTIGCLIVDLASAEHKKVTSRESGGP--NP	His6-Platypus C2-C3-C4
179	SORSTKHNNH-ATTSITSILPVDAKDWIEGERTQCRVDHFFKPIVRSITKLPGKRLAPE	His6-Op2-RatC3-OpC4
179	RSLVVKEQYNGTFTVTSHLPVITDDWIEGERTQCRVDHFFKPIVRSITKLPGKRLAPE	His6-Op2-ratOp3-Op4
178	SQWYTKHHNNH-ATTSITSILPVDAKDWIEGERTQCRVDHFFKPIVRSITKLPGKRLAPE	His6-Op2-Mouse3-Op4
178	SSLVVKEQYNGTFTVTSHLPVITDDWIEGERTQCRVDHFFKPIVRSITKLPGKRLAPE	His6-Op2-3-4
179	ESFEEQKQFNGTMTFICTVFNHIOQENECESVTCPEAFEDLSIIIKTVTFLLPGKRLAPE	His6-Platypus C2-C3-C4
238	VYMLPPSPEET--GTTRTVTCLIRGFYPSSEISVQWLFHNEEDHTGHHTTTRPOKDHGTD	His6-Op2-RatC3-OpC4
239	VYMLPPSPEET--GTTRTVTCLIRGFYPSSEISVQWLFHNEEDHTGHHTTTRPOKDHGTD	His6-Op2-ratOp3-Op4
238	VYMLPPSPEET--GTTRTVTCLIRGFYPSSEISVQWLFHNEEDHTGHHTTTRPOKDHGTD	His6-Op2-Mouse3-Op4
238	VYMLPPSPEET--GTTRTVTCLIRGFYPSSEISVQWLFHNEEDHTGHHTTTRPOKDHGTD	His6-Op2-3-4
239	VYAFPPHQAELVSHASLSLTCLIRGFYFENISIREILDKPLPTENHYRTTKLIPNQPP	His6-Platypus C2-C3-C4
296	SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGH	His6-Op2-RatC3-OpC4
297	SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGH	His6-Op2-ratOp3-Op4
296	SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGH	His6-Op2-Mouse3-Op4
296	SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGH	His6-Op2-3-4
299	AYFLYSPILAVHKEITFEQCHVYITQVHEALPGSRTLEKSLHYSAGH	His6-Platypus C2-C3-C4

Figure 2b

1 EFHHHHHHHTLSLPESEGPVTIIPPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVHTW His6-OpC2-HumanC3-OpC4  
1 EFHHHHHHHTLSLPESEGPVTIIPPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVHTW His6-OpC2-RatC3-OpC4  
1 EFHHHHHHHTLSLPESEGPVTIIPPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVHTW His6-OpC2-PigC3-OpC4  
1 EFHHHHHHHTLSLPESEGPVTIIPPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVHTW His6-OpC2-DogC3-OpC4  
1 EFHHHHHHHTLSLPESEGPVTIIPPTVKLFHSSCDPRGDAHSTIQLLCLVSGFSPAKVHVHTW His6-Op2-3-4

61 LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNITQGGWMSNSTYTTCHVKHNGSIFEDSSR His6-OpC2-HumanC3-OpC4  
61 LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNITQGGWMSNSTYTTCHVKHNGSIFEDSSR His6-OpC2-RatC3-OpC4  
61 LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNITQGGWMSNSTYTTCHVKHNGSIFEDSSR His6-OpC2-PigC3-OpC4  
61 LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNITQGGWMSNSTYTTCHVKHNGSIFEDSSR His6-OpC2-DogC3-OpC4  
61 LVDGQEAENLFPYTTTRPKREGGQTFSLQSEVNITQGGWMSNSTYTTCHVKHNGSIFEDSAQ His6-Op2-3-4

121 KC-ADSNPRGVSAVLSRPSPLDLFIRKSPITCLVVDLAPSKGTVNLTWSRASGKPV-- His6-OpC2-HumanC3-OpC4  
121 RCS-DDEPRGVITYLIPSPPLDLVYENGSTPKLTCLVLDLES-EENITVTWVRERKKSI-- His6-OpC2-RatC3-OpC4  
121 RCTAESEPRGVSAVLSPPPLDLVYVHKSPKLTCLVVDLASEN-VNLLWSRENKGGVILP His6-OpC2-PigC3-OpC4  
121 KCS-ESDPRGVTSYLSPPSPPLDLVYVHKAPKITCLVVDLATMEG-MNLTWYRESKEPV-- His6-OpC2-DogC3-OpC4  
121 KCS-DTDPRGISAVILPPTPDLLFVKKVPTIGCLIVDLASAEN-VKVTWSRESGGPV-- His6-Op2-3-4

177 NHSTRKEEKQRNGTLLTSTLPLVGTTRDWIEGETYQCRVTHPHLPALMRSTTKLP GKRLA His6-OpC2-HumanC3-OpC4  
176 GSASQRSTKHHNATTSITSLPVDADWDIEGEGYQCRVDHHPFKPIVRSITKLP GKRLA His6-OpC2-RatC3-OpC4  
180 PPGPPVIKPPQFNGTFSATSTLPLVNVSDWIEGETYYCNVTHPDLKPKILRSISKLP GKRLA His6-OpC2-PigC3-OpC4  
176 NPGPLNKKDHFNGTITVTSTLPLVNTNDWIEGETYYCRVTHPHLPKDIVRSIAKLP GKRLA His6-OpC2-DogC3-OpC4  
176 NPSSLVVKKEQYNGTFTVTSHLPVNTDDWIEGDTYTCTRLSPDMFVPLIRTISKAP GKRLA His6-Op2-3-4

237 PEVYMLPPSPPEETGTTTRTCLIRGFYPSEISVQWLFNNEEDHTGHHTTTTRPQKDHTGTD His6-OpC2-HumanC3-OpC4  
236 PEVYMLPPSPPEETGTTTRTCLIRGFYPSEISVQWLFNNEEDHTGHHTTTTRPQKDHTGTD His6-OpC2-RatC3-OpC4  
240 PEVYMLPPSPPEETGTTTRTCLIRGFYPSEISVQWLFNNEEDHTGHHTTTTRPQKDHTGTD His6-OpC2-PigC3-OpC4  
236 PEVYMLPPSPPEETGTTTRTCLIRGFYPSEISVQWLFNNEEDHTGHHTTTTRPQKDHTGTD His6-OpC2-DogC3-OpC4  
236 PEVYMLPPSPPEETGTTTRTCLIRGFYPSEISVQWLFNNEEDHTGHHTTTTRPQKDHTGTD His6-Op2-3-4

297 SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGN His6-OpC2-HumanC3-OpC4  
296 SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGN His6-OpC2-RatC3-OpC4  
300 SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGN His6-OpC2-PigC3-OpC4  
296 SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGN His6-OpC2-DogC3-OpC4  
296 SFFLYSRMLVNKSIWEKGNLVTCTRVVHEALPGSRTLEKSLHYSAGN His6-Op2-3-4

Figure 3a

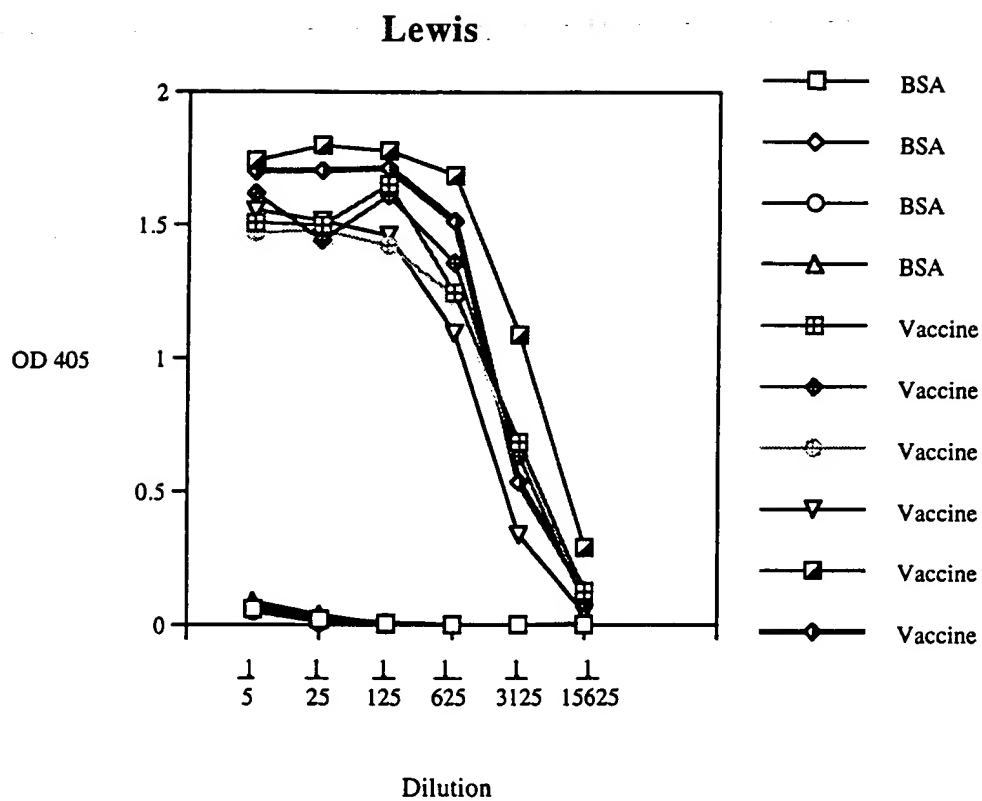


Figure 3b

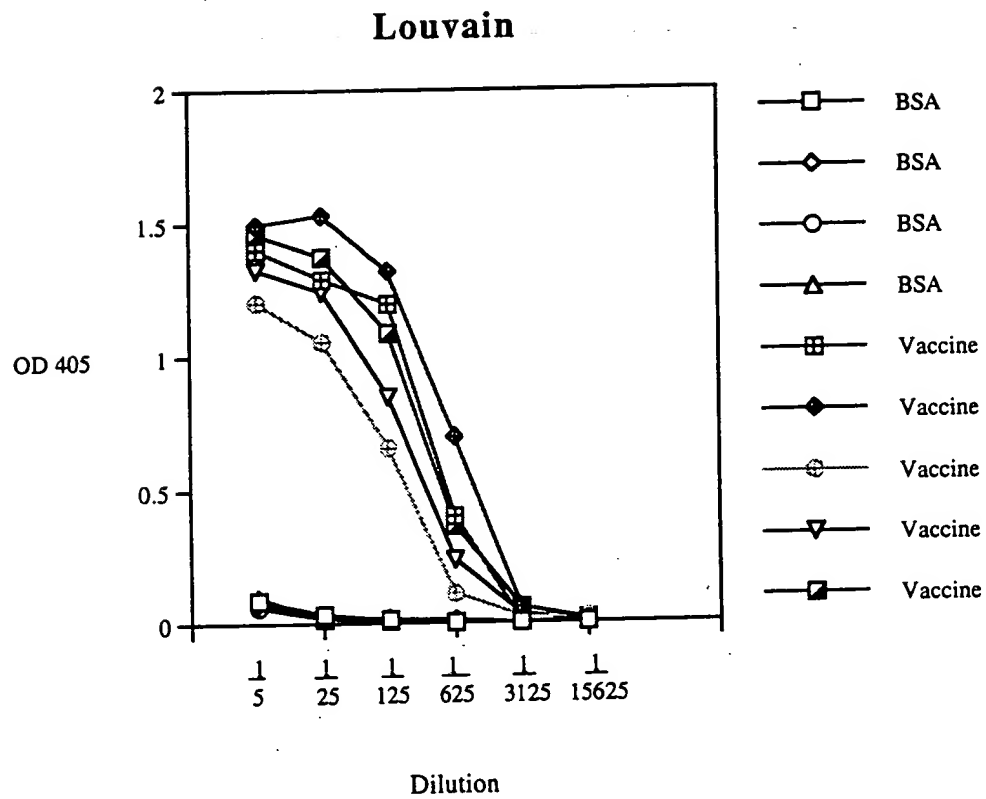
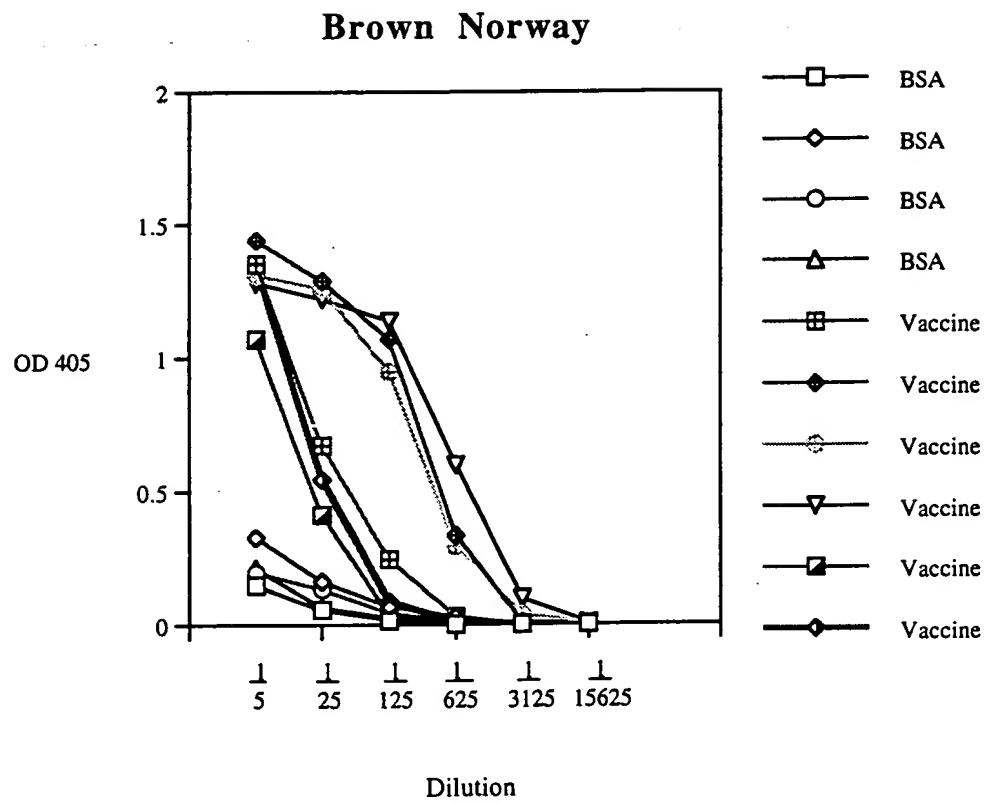


Figure 3c



10

